ML worksheet-1

- Q1) Answer= (a) Lease Square Error

- Q2) Answer= (a) Linear regression is sensitive to outliers

.

- Q3) Answer= (b) Negative

- Q4) Answer= (b) Correlation

- Q5) Answer= (c) Low bias and high variance

- Q6) Answer= (a) Descriptive model

- Q7) Answer= (d) Regularization

- Q8) Answer= (d) Smote

- Q9) Answer= (a) TPR and FPR

- Q10) Answer= (b) False

- Q11) Answer= (b) Apply PCA to project high dimensional data

- Q12) Answer= (a) we don't have to choose the learning rate   **&**
   (b) It becomes slow when number of features is very large

- Q13) Answer= **Regularization** are the **techniques** that are used to calibrate machine learning models in order to **minimize** the adjusted loss function and **prevent overfitting or underfitting**.

- Q14) Answer= lasso and ridge

- Q15) Answer= An **error term** represents the **margin of error** within a statistical model; it refers to the sum of the deviations within the regression line, which provides **an explanation** for the **difference** between the **theoretical** value of the model and the **actual** observed results.